June 6.

SOUTHERN WATERS ALIVE WITH FISH. Sch. Eagle, 700 fresh mackerel. Sch. Maud Gertrude, 400 fresh mackerel.

Netters Report Vast Quantity of Mackerel in Spawn.

erel netting sch. Lafayette, which was fish which have been reported since middle of May off Barnegat and Fire at Newport, R. I., yesterday with a good fare, came home last night. He reports an easterly out that way and all the netters remained in port yesterday after taking out their fares. Quite a number came in during the day and the chances are they will all remain in sharks, this latter state of affairs being today as the wind is still to the eastward and the weather stormy. The mackerel sold yesterday at Newport at 16 cents per fish.

Some of the skippers shipped their fish to New York and those who did got 20 cents. One boat, the Bernie and Bessie, shipped her catch to Portland, to Trefethen, for 20 cents per fish.

Capt. Peeples brings a very interesting and encouraging report of mackerel conditions out that way. He says that most of the larger netters have done considerably better to date than they did last season up to this time, and most of them are, in the face of present conditions, looking for the best of the season yet to come, and as long as the fishing continues as it is they will be in no hurry to come home and fit for swordfishing. Some of the netters have already stocked from \$2500 to \$3500.

Capt. Peeples says that not for five or six years has the mackerel prospect out that way been as good as at present, both for seiners and netters. He says that of course, in speaking of mackerel, it must be taken into account, that no one can tell what is liable to happen and that things can change quickly, and certainly at present the prospects are rosy. In this statement all of the netting skippers out there agree and are looking for-

ward to good doings.

The captain reports mackerel schooling all the way from Fire island to Sankaty Head and South Shoal lightship and the netters are also getting fish over the same stretch of fishing ground, which is quite a wide range. Off Shinnecock, about ten miles, where he got his fare landed yesterday, the captain reports lots of fish schooling and on Sunday, while setting on the wheel-box, he counted eight fine large schools in sight at once.

On the same day, sch. Mabel Bry-son, Capt. Joseph Sampson, was fishing 40 miles west of the South Shoal lightship and was among lots of fish. Not only did the Bryson get big fishing herself, 2500 in one night on a 40 net set, but Capt. Sampson reported that for mackerel schooling he had not seen the like for years. There were large schools and they were to be seen in all diretions, the day being fine.

The weather generally speaking, Capt. Peeples, reports, has been fine, so fine that the boats have burned up an extra amount of gasoline making the passages to the grounds and back to port. The fish are late in spawning and only since the first of June have they begun to spawn. This the skip-pers also consider a good sign of a good and long continued season. Like most all mackerel men they figure that the mackerel have been late in coming along. They opine that the big body of fish which the seiners struck way off shore and could do nothing with because they were so wild were the fish

Capt. George Peeples of the mack- | which go to the Cape Shore, while the island, and to the westward, are the regular southern school of fish.

The captain says the bluefish have been plenty and one night he took 70 in his nets, while another craft got 2000 or more. There are lots of weakfish also, and the water is alive with noticed off New York, as well as to the eastward, something not common. The first swordfish of the season was taken by the Hockomock in one of her nets and landed at New York, where it was bought for the big price of 28 cents per pound. The fish brought \$67.

On Saturday, when 10 miles south-east of Shinnecock, Capt. Peeples caught two Spanish mackerel in his nets, an unusual occurrence in that lo-

Summing up the whole "look" out there at present Capt. Peeples says You know, in predicting or figuring what mackerel are going to do, you never can tell, but at present the outook for mackerel fishing out that way is certainly the best and most encouraging I have seen it for the past five or six years."

Good weather is reported on the Cape Shore Saturday and Sunday. Yester-day, the Halifax crafts which always fish off Sambro, with seines, took 10,-000 mackerel, landing them at Halifax.

A few of the netting fleet are at New York this morning with fair catches, while at Newport since yesterday morning's report, a large fleet has arrived. Some of them have small fares, while others did pretty well. Sch. Hockomock, which is in the lot, brought in the largest netting fare of the season thus far, hailing her catch for 5400 fish in count.

Several large schools of mackerel were sighted 25 miles south-southwest of Shinnecock Light Sunday by of-ficers of the Ocean line steamer City of Macon, which arrived at Boston yesterday morning from Savannah. A number of whales were seen pursuing the mackerel, which were very wild. Close in toward shore, a fleet of seiners were passed.

Netters at Edgartown.

Edgartown reports the following mackerel netting arrivals yesterday: Sloop Ethel M. with 1400 fish in count, sloops Gem 1100 fresh mackerel.

Priscilla 500 Desh mackerel, Mildred J. 400 fresh mackene, Columbia 400 fresh mackerel and six smaller boats

New Bedford reported 17 arrivals with a total of 15,750 fish. The boats and their catches were; The Gracie and their catches were; The Gracie Smith with 3400 fish in count, Mary P. Hackett 1400, Two Sisters 1800, Nickerson 1900, Jessie 1300, Gypsy Maid 1000, Active 1700, Crescent 1500, Torpedo 800, Muriel 800, Lena 500, T. D. 400, Mary B. Souza 100, and the dory Mary Akn with 250.

Netter at Provincetown.

Sch. Little Jennie had 400 fresh mackerel at Provincetown yesterday, the fare being taken close to that harbor.

Netters at Newport.

Sch. M. Madeline, 2700 fresh mackerel.

Sch. Nokomis, 1200 fresh mackerel. Sch. Hobo, 1200 fresh mackerel. Sch. Cherokee, 1200 fresh mackerel. Sch. Condon, 1200 fresh mackerel.

June 6.

Newport Fish Notes.

Three hundred barrels of scup went to Philadelphia and New York and 100 barrels of mixed fish went about New England yesterday.

Capt. Patterson of the steamer Success caught 6000 pounds of flounders in Narragansett bay, the largest single day's catch in years. These went into cold storage here.

Fog Whistle Disabled.

The fog whistle on Hen and Chickens lightship, No. 42, at the entrance to Buzzard's bay, is reported disabled and not sounding. It will be repaired as soon as practicable. In the meantime the fog signal will be a bell rung by

Halibut at Portland.

Sch. Mary T. Fallon is at Portland today with 10,000 pounds of halibr

Sch. Hamilton, 1100 fresh mackerel. Sch. Pearl, 250 fresh mackerel. Sch, Hockomock, 5400 fresh mackerel. Sch Blanche F. Irving, 2700 fiesh

mackerel. Sch. Marguerite S. McKenzle, 1100

fresh mackerel. Sch. J. F. McMorrow, 1100 fresh

Sch. Freedom, 700 fresh mackerel. Sch. On Time, 700 fresh mackerel. Sch. Nettle, 700 fresh macke el. Sch. Fitz A. Oakes, 700 fresh mack-

Sch. Mabel E. Leavitt, 700 fresh mackerel.

Sch. Alice, 700 fresh mackerel. Sloop Wodan, 300 fresh mackerel. Sloop Sarah, 400 fresh mackerel. Sch. Dixie, 300 fresh mackerel.

Sch. Silver, 600 fresh mackerel. Sch. Reliance, 700 fresh mackerel. Sch. Jessie, 300 fresh mackerel.

Sch. C. A. Dolliver, 800 fresh mackerel.

Sch. Massasoit, 2800 fresh mackerel. Sch. Clara T., 2400 fresh mackerel. Sch. Wood and Mack, 1400 fresh mackerel.

Sch. Hersey D. Taylor, 1200 fresh

Sch. City of Everett, 1200 mackerel.

Sch. W. H. Clement, 1100 fresh mack-

Sch. Golden Eagle, 1200 fresh mack-

Netters at New York.

Sch. Lear C., 1200 fresr mackerel. Sch. Manomet, 1400 fresh mackerel. New York is quoting Boston 22 cents on mackerel today.

June 6. CULTIVATING CLAMS.

New Bedford to Try the Project of Increasing Flat Yield,

A New Bedford shell fishery commission established by legislature has interest to the clammers of this section now that an effort is being made to restrict an area there on which clams may be taken for food purposes. In the whole upper harbor of New Bedford an order of the state board of health forbidding the taking of shell fish for food purposes is in force. This new legis-lation makes the mayor of the city and the selectmen of the town on the opposition of the harbor a commission to grant licenses for the taking of shell fish, to designate places where they shall be landed and allows their transplanting in other flats for a sufficient length of time to purge themselves of any impurities when they can be taken up and sold for food pur-

June 7. STILL AFTER THE DOGFISH.

C. E. DAVIS APPEALING TO CON-GRESSMEN FOR FAVORABLE ACTION.

C. E. Davis of Orr's island, Me., who has worked early and late for many years to induce the government to take some action against the dogfish which are the bane of New England fishermen, is not wearying in his well

Mr. Davis has received a letter from the bureau of fisheries, stating that ninistration without congressional action, and he is now engaged in a campaign to have the matter taken up by the legislative

body.

He has recently written a 10-page
Hinds asking him to take the initiative in the matter, and he said last night that he would follow this up with other appeals.

Mr. Davis's plan is for the government to establish reduction works for turning the fish into oil and fertilizer and pay the fishermen a sufficient bounty so that they can afford to handle them.

"It is the testimony of hundreds of fishermen that if such action is taken the number of dogfish would be appreciably diminished while the food fish would show a corresponding increase," said the Orr's island man.

June 7.

TRIED LONG LINE TRAWI.

CAPTAIN OF SCH. TEAZER THINKS IDEA WILL PROVE SUCCESS-FUL.

Capt. Peter Dunsky of sch. Teazer, which on her recent fresh halibut voyage, was fitted with the outfit for the English long line fishing, with a chute for the setting and an engine for hauling of the trawls from the deck, is inclined after the first brief trial of the same to the belief that the method will prove a success in these waters.

On the first trip which the craft has just completed, and which was in the nature of an experiment, as far as the new gear and method are concerned, the captain took but a small string of the new trawl with him. With what he had, he found that the apparatus, the engine for hoisting in the trawl, the chute for letting it out over the quarter and the winch and leaders for taking it along the side in hauling, all worked in quite a satisfactory manner. but on the ground where he was fishing, off Anticosti, he did not have enough of the new trawl to make the sets the weather gave him the opportunity to stick out.

Finding himself on plenty of fish and with fine weather, he just tried the new arrangement a few times to assure himself that it would work all right with the proper length of trawl for the ground and finished up his fishing in the regular way—with the dorles and skates set and hauled in the usual manner.

This time out Capt. Dunsky will add greatly to the length of his long line trawl and experiment in deep water. He is confident of its success although he says that on rough days there is some trouble with the trawl, as it is hauled, getting tangled with the bowsprit, but this difficulty he hopes to

June 7.

LIFE IN THE OCEAN DEEP.

Animals 900 Fathoms Down Are in Densest Darkness. The colors, phosphorescent, organs,

and remarkable or gans of sight of the animals in the different layers are evidently correlated with the distribution of the sun's rays in sea water; consequently of the sun's rays in sea water; con se sequently our expedition's naturalists made some interesting experiments bearing on this subject.

Professor Heland-Hansen by means of an apparatus he had constructed or an apparatus he had constructed succeeded in exposing photographic plates at various depths for any desired length of time, and by using panchromatic plates he was able to ascertain the different depths to which red green and blue rays could construct the different depths to which red, green and blue rays could penetrate. His experiments revealed that considerable quantities of light penetrated down to 500 fathoms, whereas at 900 fathoms the plates were not affected even after an exposure of two hours.

At a depth of 300 fathoms the light consisted principally of ultra-violet rays, while rays which were seen by the human eye were only present in extremely small quantity. The red and green rays could not be detected at

300 fathoms even after an exposure of 40 minutes; on the other hand the blue rays were noticeable. At a depth of 50 fathoms during brilliant sunshine and after an exposure of two hours all colors of light were found, there being least of red, of green and by far the largest part of blue and ultra-violet, says Sir John Murray in Harper's Magazine All the red and black pelatic ani-

mals which the expedition captured at depths below 300 fathoms float in a layer of water untouched by any of the sun's rays that we can see; their colors may be assumed than to render them invisible when viewed from above. Those marine creatures which are provided with phosphorescent apparatus can shed light for a short distance into the obscurity around them.
On the other hand, the transparent

crystal-clear, and blue colored animals which occupy the surface layers must in their turn be invisible to the animals of the deeper layers when looked

at from beneath.

June 6. Shackers Stormbound at Magdalen Islands.

A letter received here last night from the Magdalen island, from one of the shack fleet, reports that a severe storm was experienced there June 2 and adds that quite a number of the fleet were there and held up for bait, which was scarce.

Provincetown Fish Company Burned Out.

The Union Fish Company's building at Provincetown was destroyed and Railroad wharf was badly damaged by a fire which started in a shed on the wharf there yesterday. The loss is estimated at \$15,000. The cause of the fire has not been deSch. Premier Home With Full Trawl Bank Codfish Fare.

Reports Fleet as a Whole Will Stay For Capelin Baiting.

During this forenoon, sch. Premier, Capt. William Morrissey, arrived from a salt trawl bank codfishing trip with a splendid catch, 300,000 pounds of salt cod, being the first of the straight twotrip-in-a-season salt bankers to arrive this year.

Capt. Clayton Morrissey, who figures on making three trips in the big knockabout sch. Arethusa, was home some time ago and sch. Helen G. Wells, which made a trip to the south Newfoundland coast arrived last week with a small catch, but the Premier is the advance guard of the bulk of the salt bank

Sch. Premier sailed from here March 2, being the twelfth of the fleet to get away. Capt. Morrissey, who has made a fine record since he first took command a few seasons ago, has evidently struck good fishing and made the most of it in the three months he has been gone from here.

The big fare goes to Davis Bros., by whom the craft is owned.

Capt. Morrissey is of the opinion that the great bulk of the salt trawl fleet has not participated in the good fortune which has come to him and few others. He bases his opinion on what he has heard while in getting baitings and on the grounds, so naturally he thinks that the reports received here that the fleet as a whole has been extra well fished is in er-

He was hung up for bait after using his frozen baiting on the Peak, He balted again at the Magdalens and better, of salt cod.

once more drove back to the same place and there struck a spot which brought exceptionally good returns, the fishing being of the finest kind and the fish about all large. He used his last baiting in short order, so good was the fishing and practically half the trip was secured on that balting.

The only vessels he saw there were sch. Annie M. Parker, Capt. Hiram Forbes and the shacker Onato, Capt. Henry Larkin, whom he left with bait enough for two more days of fishin gand should be along soon. He had also heard from sch. J. J. Flaherty, which was well fished and also from Capt, Peter Porter in sch. Smuggler, who had done well. Sch. Hazel R. Hines, whose skipper Capt. Fred Morrissey was laid up in the hospital at North Sydney, C. B., and which went out in charge of one of the crew, had also done well.

Outside of these, Capt. Morrissey says he failed to get any reports of any of the trawl bankers who had done enough to warrant early arrival. The most he heard of had around 150,000 pounds and that they were going to stay for the caplin baiting before coming home. The Onato a shacker, he expects home in a few days.

Capt. Morrissey also heard from sch. Arethusa, Capt. Clayton Morrissey to the effect that this craft had done well. She had gone right back to the peak and there found the biggest kind of fishing. Just what she had was problematical, but it was figured that she would be back with her second fare of the season along with the bulk of the for quite a while, but after getting fleet. The Premier's people heard that fresh bait, dusted for St. Peter's she got big fishing on the last baitbank, where he found good fishing, ing, something like 100,000 pounds or

June 7.

HAKE AND CUSK

SEVERAL FARES OF MIXED FISH cod, 15,000 hake. LANDED AT BOSTON TODAY.

There are quite a number of off shore trips at T wharf this morning, with mixed fares of haddock, hake and cusk, the latter two species predomi-

The steam trawler Crest is keeping up her good work and has a fine fare of 64,000 pounds, about all haddock. Several others of the fleet have quite a lot of haddock also.

Sch. Alice M. Guthrie, with 100,000 pounds of hake and 23,000 pounds of

pounds of hake and 23,000 pounds of cusk and cod, has the biggest trip in the dock. Others with large fares at a schs. Mary E. Silveira, John J. Fallon, Harriett and Maude F. Silva.

Haddock are selling at \$2 and \$3, with some large cod bringing \$5 to \$6.50. Pollock is going at \$1.60 and \$1.75, the seiner Shenandoah selling her fare of 35,000 pounds at the former figure. Small lots of halibut brought Small lots of halibut brought 10 cents for white and 6 for gray. There is no sale for hake.

Boston Arrivals.

The receipts and prices in detail

Sch. Mina Swim, 3000 haddock, 10,000

Sch. Warren M. Goodspeed, 25,000 haddock, 6000 cod, 4000 hake.

Steamer Crest, 62,000 haddock, 1500 cod.

Sch. Mary E Silveira, 8000 haddock, 12,000 cod, 20,000 hake, 18,000 cusk, 1000 halfbut, Sch. Belbina P. Domingoes, 25,000 haddock, 22,000 cod, 20,000 cusk, 2000

pollock, 1000 halibut.

Sch Joseph P.Johnson, 500 haddock, 9000 cod.

Sch. Arbitrator, 6000 haddock, 13,000

Sch. Victor and Ethan, 21,000 haddock, 1000 cod.

Sch. John J. Fallon, 9000 cod, 55,-

000 hake, 10,000 cusk, Sch. William A. Morse, 7000 had-dock, 8000 cod.

Sch. Viking, 3000 cod.

Sch. Shenandoah, 35,000 pollock. Sch. Harriet, 2000 haddock, 38,000

cod, 20,000 hake, 26,000 cusk, 700 halibut. Sch Mand F Silve 6000 heddool

30,000 cod, 25,000 hake, 10,000 cusk, 700

Sch. Flavilla, 800 haddock, 15,000

Sch. Eleanor DeCosta, 21,000 had-dock, 8000 cod, 2000 pollock.

Sch. Richard J. Nunan, 1000 cod,

20,000 hake Sch. Alice M. Guthrie, 8000 cod, 100,-

000 hake, 15,000 cusk.

Haddock, \$2 to \$3 per ewt.; large cod, \$5 to \$6.50; market cod, \$2.75 to \$4; pollock, \$1.60 to \$1.75; halibut, 10 cts, for white and 6 cts, for gray per June 7.

SHORE FISHERMEN REPORTED TAKING LARGE MACKER-EL OFF SAMBRO.

Capt. William Morrissey of sch. Premier, which arrived here this forenoon, brings the latest news from the mackerel seining fleet on the Cape Shore. On Sunday morning, while coming up the Cape Shore, just off Halifax, he saw about the whole of the fleet, some 30 sail, all bound to the eastward, with a good breeze. He came close to sch. Slade Gorton and in answer to his hail, as to what the fleet was doing. Capt. George E. Heckman replied that sch. Constellation had taken 250 barrels on Sunday night and that practically all the fleet had secured from 50 to 75 barrels the same night. The fleet were then all bound to the eastward.

The Halifax vessels which are provided with the seines, took good hauls of mackerel off Sambro the past two days, while the American has left

there and gone to the eastward.

A dispatch to the Boston Fish Bureau this morning from Halifax states that the native fishermen took 43,000 mackerel, mostly large, 10 miles off Sambro, Monday and Tuesday, and that the American fleet is farther to the eastward. The dispatch also states that the prospect is good for the seiners, although the netters have done but little as yet. The fact that the dispatch notes

that the fish are mostly large, is taken to indicate that the fish on the Cape Shore may be somewhat mixed as to size, that is large and mediums, as was the case two seasons

There are no mackerel arrivals at New York or Newport or New Bedford this morning.
Sloop Maxwell was at New York

yesterday with 110 large fresh mack-

New Bedford reported 12 arrivals yesterday, with a total of 18,800 fish in count, most of which were shipped to T wharf for this morning's mar-The boats and their catches were sch. Albert Brown, 1700 fish in count, Annie and Cecilia 600, Lucy B. Winsor 800, Lewie Warren 1400, Jessie D. 350, Dart 1125, Magnolia 1475, Nancy 850, Pearl 1300, Annie Way 200, Alert 400, Diana 2300, Bessie 600, Clayton 250, Hester 700, Lizzie Foster 900, J. W. Caswell 1125, Iris 850, Mabel 950, Mame 275, W. Lawson 600, Braganza 1125, Gracie 425, Barbara 3100 and Sarah Smith 500.

Yesterday morning 130 barrels of mackerel were landed at Edgartown, besides which the Mildred J. arrived with 1900 fish in count, the Priscilla with 170 and the Mildred with 1400.

The netters running out of Provincetown got an average of 60 fish in count Monday night.

A few mackerel wo e taken at Petit de Grat and Chedabucto Bay, Satur-

June 7.

Collecting Seed Lobsters.

On a trip in search of seed lobsters, the United States Fish Commission steamer Gannet, Captain Greenleaf, arrived in Portland Satur-day from Boothbay and according to commander, the amount of seed lobsters to be collected this season will be large.

Captain Greenleaf also said that within a few weeks, 6,000,000 lobster fry would be planted at various points among the 365 islands at Casco Bay. The work of planting the lobster fry along the coast will be started soon and will be continued for several weeks.

Halibut at Portland.

Sch. Pauline, one of the Georges handlining fleet of this port was at Portland Tuesday and landed 7000 pounds of halibut.

Fishing Fleet Movements.

Sch. Agnes was at Port Hawkesbury, C. B., on Saturday.

June T. AT THIS PORT.

HAKE AND CUSK FOR THE SPLIT-TERS EXPECTED FROM BOSTON.

There were but two fishing arrivals here this morning early, James and Esther brought in pounds of fresh fish, mostly hake and sch. Mooween from Quero, halibuting, had 15,000 pounds of halibut, 40,000 pounds of salt cod and a few thousand pounds of fresh fish.

The dealers are looking for fish down from Boston to split today, as several crafts are there from offshore with big trips, mostly hake and cusk, on which the market there is very dull.

Today's Arrivals and Receipts.

The arrivals and receipts in detail

Sch. James and Esther, shore, 60,000 lbs. fresh fish.

Sch. Mooween, Quero Bank, 40,000 lbs salt cod, 15,000 lbs. halibut, 10,-000 lbs. fresh fish.

Sch. Premier, salt bank trawling, 300,000 lbs. salt cod.

Vessels Sailed.

Sch. Joseph H. Cromwell, Boston,

TODAY'S FISH MARKET.

Salt Fish.

Trawl bank codfish, large, \$4.00; medium \$3.50.

Handline Georges codfish, large, \$5; medium, \$4.75; snappers, \$3. Peak and Western bank fresh cod-

fish, \$2.25 per cwt.; for large and \$1.75 for mediums.

Salt "Drift" codfish, large, \$4.75; medium, \$4.371/2.

Trawl Georges codfish, large, \$4.75. medium, \$4.25. Eastern halibut codfish, large, \$4.59;

medium, \$4:

Haddock, \$1.25. Pollock, \$2. Cusk, large, \$2.50; medium, \$2;

snappers, \$1.50.

Hake, \$1.75.

All codfish with napes picked bring 25c over the above prices.

Fresh Fish.

Fresh large mackerel 25 cents each. Haddock, \$1.15 per cwt.

Large cod, \$2.40 per cwt.; medium, \$1.85 per cwt.

Peak and Western bank fresh cod-

fish, \$2.20 per cwt. for large and \$1,75 for mediums. Cusk, large, \$1.75; mediums, \$1.25;

Hake, \$1.00. Dressed pollock, 90 cts., round, 80

Georges hallbut, 8c' per 1b. for white and 6 1-4 cts. for gray. Bank halibut 9c per lb., for white

and 7c for gray, and 4½c for chicken. Fresh "drift" codfish, large, \$2.60 per cwt.; mediums \$2.05.

Cape North cod, \$2.30 for large and

\$1.75 for mediums.

Portland Fish Notes.

Another boom in herring more than half a dozen craft being at Portland Tuesday with fares, amounting in the aggregate to something over 500 barrels, most of the catch being taken out at the Portland Cold Storage Plant. The steamers Elthier, Gladys and E. N. Brown were in the fleet, but the biggest catch was that of the little sloop Isabel Parsons, which came in just before dark with about 75 barrels. Most of the catch continues to be taken off Half Way Rock, where the fish are reported very plenty. Some half dozen mackerel were found in the nets with the helring, they showing up earlier than usual The sloop Alice G. of Orr's is-land was in with 50 barrels of large

herring.
No place could be busier than the plant of the Portland Cold Storage Co. on Central what has been during the past few days, Since Saturday over 300 barrels of large herring have been received and these have all been frozen and placed in the bins. Such a rush has these been, that the men at the plant have been forced to work night and day to get the fish frozen on the flakes and then put away.

In a week or more, the local vesse's that are fishing for swordfish trips will start out on their voyage. It will be a month or more, however, before they return. It will be remembered that last year was one of the most unsuc-cessful swordhish seasons ever known. So was the herring season. This year the small fish are proving unusually plentiful, so that it is hoped the large fish will also be numerous.